

EXHIBIT A

An assignment from the inventor(s) of U.S. Patent Application Serial No. 09/521,639
filed March 8, 2000 has been recorded in the U.S. Patent and Trademark Office at
Reel 010670, Frame 0340.

EXHIBIT B
Patents and Patent Applications Subject to Revocations and Substitute Power of Attorney

WNS File #	Previous Law Firm Ref #	Title	Serial #	Filing Date	Patent #	Issue Date
15436.253.1	9775-005-999	HIGH SPEED MODIFICATION SYSTEM AND METHOD	09/327,997	8-Jun-99	6268808	31-Jul-01
15436.253.2	9775-007-999	MULTI-PROTOCOL DUAL FIBER LINK LASER DIODE CONTROLLER AND METHOD	08/924,852	5-Sep-97	5856168	21-Sep-99
15436.253.7	9775-015-999	HIGH SPEED NETWORK SWITCH	08/440,088	12-May-95	5604735	18-Feb-97
15436.253.8	9775-016-999	INTEGRATED OPTICAL COUPLER AND CONNECTOR	07/189,979	26-May-88	4881789	21-Nov-89
15436.253.9	9775-017-999	2X2 OPTICAL BYPASS SWITCH	07/358,892	30-May-89	4927225	22-May-90
15436.253.12	9775-020-999	HIGH SPEED INFORMATION BROADCASTING SYSTEM	07/786,453	1-Nov-91	5404505	4-Apr-95
15436.253.13	9775-021-999	SEMICONDUCTOR LAS DIODE CONTROLLER AND LASER DIODE BIASING CONTROL METHOD	07/583,178	14-Sep-90	5019769	28-May-91
15436.253.14	9775-022-999	HIGH SPEED MESH CONNECTED LOCAL AREA NETWORK	08/404,873	15-Mar-95	5566171	15-Oct-96
15436.253.16	9775-026-999	A PRECISION GAAS LOW-VOLTAGE DC AMPLIFIER	09/221,673	23-Dec-98	6121838	19-Sep-00
15436.253.17	9775-030-999	A TRANSCIVER WITH AUXILIARY MONITORING PORTS	09/420,947	19-Oct-99		
15436.253.18	9775-031-999	FIBER OPTIC LASER TRANSMITTER WITH REDUCED NEAR END REFLECTIONS	09/521,639	8-Mar-00		
15436.253.19.1	9775-034-999	SIGNAL STRENGTH DETECTION IN HIGH SPEED OPTICAL ELECTRONICS	10/285,083	31-Oct-02		
15436.253.21	9775-036-999	SIGNAL STRENGTH DETECTION IN HIGH-SPEED OPTICAL ELECTRONICS	10/285,106	31-Oct-02		
15436.253.23	9775-039-999	COMPACT OPTICAL ASSEMBLY FOR OPTOELECTRONIC TRANSCIVERS	09/957,557	19-Sep-01		
15436.24.1	9775-040-999	SYSTEM AND METHOD FOR TRANSMITTING DATA ON RETURN PATH OF A CABLE TELEVISION SYSTEM	09/735,710	12-Dec-00		
15436.253.25.1	9775-042-999	A SYNCHRONOUS NETWORK TRAFFIC PROCESSOR	09/976,765	12-Oct-01		
15436.253.26.1	9775-043-999	OPTOELECTRONIC DEVICE CAPABLE OF PARTICIPATING IN IN-BAND TRAFFIC	10/003,959	14-Nov-01		
15436.253.28	9775-047-999	FIBER OPTIC HEADSET FOR WIRELESS TELEPHONES	09/691,311	17-Oct-00		
15436.253.29	9775-048-999	CIRCUIT INTERCONNECT FOR OPTOELECTRONIC DEVICE FOR CONTROLLED IMPEDANCE AT HIGH FREQUENCIES	10/005,924	4-Dec-01		
15436.253.31	9775-051-999	MULTI-RATE AND MULTI-LEVEL GIGABIT INTERFACE CONVERTER	09/829,737	31-Aug-01		
15436.253.32	9775-052-999	INTEGRATED MEMORY MAPPED CONTROLLER CIRCUIT FOR FIBER OPTICS TRANSCIVERS	09/777,917	5-Feb-01		
15436.253.33	9775-055-999	SIGNAL PROCESSING CIRCUIT FOR FLOATING SIGNAL SOURCES USING POSITIVE FEEDBACK	09/925,176	8-Aug-01		
15436.253.35.1	9775-057-999	SYSTEM AND METHOD FOR PACKAGING A LASER/DETECTOR	09/923,471	6-Aug-01		
15436.253.37.1	9775-059-999	OPTOELECTRONIC TRANSCIVER MODULE WITH THERMALLY ISOLATED COMPONENTS	10/101,247	18-Mar-02		
15436.253.39.1	9775-063-999	COMPACT LASER PACKAGE WITH INTEGRATED TEMPERATURE CONTROL	10/101,260	18-Mar-02		

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WNS#	File #	Previous Law/ Elem Ref #	Title	Serial #	Filing Date	Patent #	Issue Date
15436,253,40.1	9775-065-999		CONTROL CIRCUIT FOR OPTOELECTRONIC MODULE WITH INTEGRATED TEMPERATURE CONTROL	10/101,248	18-Mar-02		
15436,253,41.1	9775-070-999		BANDPASS COMPONENT DECIAMATION AND TRANSMISSION OF DATA IN CABLE TELEVISION DIGITAL RETURN PATH	10/218,344	12-Aug-02		
15436,253,42.1	9775-071-999		DATA RATE COMPRESSION DEVICE FOR CABLE TELEVISION RETURN PATH USING BANDPASS PUNCTURING	10/102,619	3/19/2002		
15436,253,43.1	9775-072-999		APPARATUS AND METHOD FOR COMBINING ASYNCHRONOUS DIGITAL SIGNALS IN CABLE TELEVISION RETURN PATH	10/357,818	3-Feb-03		
15436,253,44.1	9775-073-999		TELEVISION RETURN PATH AVALANCHE PHOTODIODE CONTROLLER CIRCUIT FOR FIBER OPTICS TRANSCIVER	10/101,258	18-Mar-02		
15436,253,45	9775-074-999		MULTIPLE WIDTH TRANSCIVER HOST BOARD SYSTEM	10/036,995	22-Oct-01		
15436,253,46.1	9775-075-999		CABLE TELEVISION RETURN LINK SYSTEM WITH DATA-RATE SIDE-BAND COMMUNICATION CHANNELS	10/285,205	30-Oct-02		
15436,253,47.1	9775-078-999		EFFICIENT TRANSMISSION OF DIGITAL RETURN PATH DATA IN CABLE TELEVISION RETURN PATH	10/102,625	19-Mar-02		
15436,253,48	9775-085-999		SYSTEM FOR CONTROLLING BIAS CURRENT IN LASER DIODES WITH IMPROVED SWITCHING RATES	10/188,575	2-Jul-02		
15436,253,49.1	9775-086-999		TRANSMITTER OPTICAL SUBASSEMBLY WITH VOLUME PHASE HOLOGRAPHIC OPTICS	10/351,620	23-Jan-03		
15436,253,50.1	9775-087-999		EXTENDED BANDWIDTH SEMICONDUCTOR OPTICAL AMPLIFIERS	10/348,341	21-Jan-03		
15436,253,51.1	9775-088-999		METHOD FOR MAINTAINING DESIRABLE OPTICAL PERFORMANCE OF LASER EMITTERS OVER TEMPERATURE VARIATIONS	10/285,105	31-Oct-02		
15436,253,52.1	9775-090-999		TRANSISTORS OUTLINE PACKAGE WITH EXTERIORLY MOUNTED RESISTERS	10/393,215	19-Mar-03		
15436,253,53.1	9775-091-999		A SUBMOUNT, PEDESTAL, AND WIRE BOND ASSEMBLY FOR A TRANSISTOR OUTLINE PACKAGE WITH REDUCED WIRE BOND INDUCTANCE	10/393,218	19-Mar-03		
15436,253,54.1	9775-092-999		TRANSIMPEDANCE AMPLIFIER ASSEMBLY WITH SEPARATE GROUND LEADS AND SEPARATE POWER LEADS FOR INCLUDED CIRCUITS	10/285,204	30-Oct-02		
15436,253,55.1	9775-093-999		A TRANSMISSION LINE WITH INTEGRATED CONNECTION PADS	10/393,184	19-Mar-03		
15436,253,56.1	9775-094-999		CIRCUIT BOARD HAVING TRACES WITH DISTINCT TRANSMISSION IMPEDANCES	10/393,217	19-Mar-03		
15436,253,57	9775-095-999		A SYSTEM AND METHOD OF PROCESSING DATA SIGNAL	10/285,082	31-Oct-02		
15436,253,58.1	9775-096-999		A SYSTEM AND METHOD OF DETECTING A BIT PROCESSING ERROR	10/285,081	31-Oct-02		

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15436,253,59.1	9775-098-999	APPARATUS FOR ENHANCING EMPEDANCE-MATCHING IN A HIGH-SPEED DATA COMMUNICATIONS SYSTEM	10/285,772	1-Nov-02		
15436,253,60	9775-101-999	APPARATUS AND METHOD FOR REDUCING INTERFERENCE IN AN OPTICAL DATA STREAM	10/288,324	5-Nov-02		
15436,253,83	9775-103-999	SYSTEM AND METHOD FOR PROTECTING EYE SAFETY DURING OPERATION OF A FIBER OPTIC TRANSCIVER	10/286,869	8-Oct-02		
15436,253,62	9775-105-999	OPTICAL TRANSCIVER MODULE WITH A SINGLE INTERNAL SERIAL BUS	10/286,870	8-Oct-02		
15436,253,63	9775-107-999	SYSTEM AND METHOD FOR TESTING A LASER MODULE BY MEASURING ITS SIDE MODE SUPPRESSION RATIO	10/246,038	18-Sep-02		
15436,253,64	9775-109-999	SIGNAL PROCESSING CIRCUIT FOR FLOATING SIGNAL SOURCES USING POSITIVE FEEDBACK	10/147,677	16-May-02		
15436,253,69.1	9775-127-999	DUAL FIBER OPTIC AMPLIFIER WITH SHARED PUMP SOURCE	10/384,228	7-Mar-03		
15436,253,70.1	9775-128-999	STAGED AMPLIFIER FOR LOWER NOISE FIGURE AND HIGHER SATURATION POWER	10/384,227	7-Mar-03		
15436,253,72.1	9775-130-999	SYSTEM FOR CONTROLLING BIAS CURRENT IN LASER DIODES WITH IMPROVED SWITCHING RATES	10/285,203	30-Oct-02		
15436,253,76	9775-137-999	MAINTAINING DESIRABLE PERFORMANCE OF OPTICAL EMITTERS AT EXTREME TEMPERATURES	10/285,369	31-Oct-02		
15436,253,79	9775-145-999	EFFICIENT TRANSMISSION OF DIGITAL RETURN PATH DATA IN CABLE TELEVISION RETURN PATH	10/291,208	8-Nov-02		
15436,253,81	9775-152-999	METHOD AND APPARATUS FOR REDUCING INTERFERENCE IN AN OPTICAL DATA STREAM USING DATA-INDEPENDENT EQUALIZATION	10/419,023	17-Apr-03		